



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR
(AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

Name of Work: -“Comprehensive Annual Maintenance Contract (AMC) of 22(twenty two) nos. Of JOHNSON make Lifts (Elevators) for an initial period of 1 Year at NISER Jatni Campus”.

**NIT No. & Date:-NISER/IWD-ELECT./AMC/LIFT/
(2016-17)/061 Dt.15.03.2017**

Estimated cost of tender: - ₹: 20, 00,000.00 /-

AMC Period: Initially for a Period of One Year. Extendable to further period of one year on successful and satisfactorily completion of 1st year.

NAME OF THE WORK

“Comprehensive Annual Maintenance Contract (AMC) of 22(twenty two) nos. Of JOHNSON make Lifts (Elevators) for an initial period of 1 Year at NISER Jatni Campus.”

FIRST PART TECHNICAL BID

NOTE

The tenderer should enclose the following documents along with the Technical Bid otherwise tender will be summarily rejected.

- 1)
 - a) Self attested copy of works completed during the last five years from Govt./Semi Govt. organization not below the rank of E.E as per NIT.
 - b) Self attested copy of valid Registration Certificate.
 - c) Self attested copy of PAN card.
 - d) Self attested copy of VAT clearance certificate.
 - e) The cost of tender paper for the bidders who submit the downloaded tender document and EMD amount in separate D.D's as per NIT.
- 2) Contractors shall enclose the above documents (self-attested) along with technical bid. Any conditional/ changed or altered bids are liable for rejection. The bidders shall sign all the pages of technical bid i.e. NIT, Architectural Drawing (if any), as acceptance of the terms and conditions.
- 3) Incomplete/Partial bid or bid not submitted in prescribed format will be rejected. Bids not submitted/received within stipulated date/time as per NIT will not be accepted.

TENDER DOCUMENTS

**File No. NISER/IWD-ELECT./AMC/LIFT/ (2016-17)/061
15.03.2017**

Dated:

Name of work: -**“Comprehensive Annual Maintenance Contract (AMC) of 22(twenty two) nos. Of JOHNSON make Lifts (Elevators) for an initial period of 1 Year at NISER Jatni Campus.”**

I N D E X

Sl. No.	Particulars	Page No.	Remarks
1.	Notice Inviting Tender and General Term and Condition for works.	1- 8	First part i.e. Tech. Bid
2.	Detailed list of completed works by the Contractor	09	-Do-
3.	Detail credential of the Contractor	10	-Do-
4.	Scope of Work	11-23	
5.	Bill of Quantity	24-26	Second part i.e. Financial Bid
6.	Summary Sheet	27	-Do-
7.	Abstract of cost	28	-Do-
8.	Technical Specifications and other conditions of work	29	
9.	C.P.W.D. Specifications 2016 of Electrical work	Available in the office of the SO-D (Electrical) of NISER, Jatni. (If required, the same can be made available on written request addressed to the SO-D (Elect.) NISER	

NOTE: The tenderer should confirm before submission of the bid that they are in possession of all the above papers. All the documents issued are to be submitted along with the bid, duly signed by the tenderer while submitting the bid, as acceptance of the terms and conditions of NIT.

TENDER ISSUED TO:

M/s. _____

Telephone No. _____

**REGISTRAR
NISER**

NOTICE INVITING TENDER

Director of NISER invites sealed tender on two bid system (Technical Bid and Financial Bid) for the following work:-

NIT No. NISER/IWD-ELECT./AMC/LIFT/ (2016-17)/061, Dated. 15.03.2017

Name of the work: - “Comprehensive Annual Maintenance Contract (AMC) of 22(twenty two) nos. Of JOHNSON make Lifts (Elevators) for an initial period of 1 Year at NISER Jatni Campus.”

Estimated Cost	:	20, 00,000.00 /-
Earnest Money	:	Rs. 40,000/-
AMC Period	:	1 Year.
Cost of tender (non-refundable)	:	Rs.500/- (Rupees Five hundred Only)

Last date of receipt of tender: **7th April 2017 up to 3.30 p.m.**

**REGISTRAR
NISER**



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
 (परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR
 (AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

Tender Notice

Director of NISER hereby invites sealed tender in two parts for the following work from experienced, reputed and capable **Original Equipment Manufacturers (OEM) or their authorized Service provider of Johnson Make lifts**. The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions otherwise the bids bear the risk of not being considered. The eligible contractors are also required to submit the self-attested copies of PAN Card, Registration and VAT certificate, License, etc. as mentioned in the NIT.

In support of fulfilling all the essential conditions mentioned in the previous Para the contractor shall submit the past details, mentioning the name of work, estimated cost, tendered amount, gross value of work done, date of commencement as per agreement & actual date of completion as per agreement along with schedule of quantities executed and any penalty levied due to delay in executing the work from an officer not below the rank of Executive Engineer (Electrical).

Name of Work	Estimated Cost ₹	Earnest Money ₹	Duration of AMC
Name of the work: -“Comprehensive Annual Maintenance Contract (AMC) of 22(twenty two) nos. Of JOHNSON make Lifts (Elevators) For an initial period of 1 Year at NISER Jatni Campus.” NIT No. NISER/IWD-ELECT./AMC/LIFT/ (2016-17)/061, Dt. 15.03.2017	20,00,000.00	40,000 /-	01 Year

The tender document can be down loaded from the Institute’s website **<http://www.NISER.ac.in>**. & submitted along with tender cost of ₹500.00 & EMD of ₹40,000.00, separately in the form of A/C payee DD/ Banker’s cheque drawn on any scheduled Bank, in favor of Finance Officer of NISER.

The tender documents are to be submitted in two parts in separate sealed cover. The documents in support of eligibility criteria of the contractor, Technical bid, tender cost and EMD are to be submitted in a sealed cover super scribing as Technical Bid (first part). The second part with scheduled items of work & price quoted are to be submitted in a separate sealed envelope super scribing as Financial Bid. Both the envelopes are to be put together in another envelope and the same should mention the name of work, address of contractor and date of opening. Bids complete in all respects will be accepted up to **3.30 PM on 7th April 2017** and **technical bid will be opened at 4.00 PM on 7th April 2017**. Result of the Technical bid will be published on www.niser.ac.in website in Tender Result tab (<http://www.NISER.ac.in/content/technical-recommendations-tender-results>).

Director of NISER, reserves the right to accept/reject any/all tenders without assigning any reason whatsoever. Part or incomplete tenders will be summarily rejected. No further correspondences whatsoever shall be entertained in this regard. Canvassing in any manner shall result in rejection of the tender.

Any dispute arising out of this shall subject to Bhubaneswar jurisdiction only.

**REGISTRAR
NISER**

General Terms and Conditions:

1. Sealed tenders are hereby invited for the work of “Comprehensive Annual Maintenance Contract (AMC) of 22(twenty two) nos. Of JOHNSON make Lifts (Elevators) for an initial period of 1 Year at NISER Jatni Campus” from experienced, reputed and capable **Original Equipment Manufacturers (OEM) or their authorized Service provider of Johnson Make lifts.**
2. The eligible contractors may submit their bid along with supporting documents of fulfilling the above conditions otherwise their bids bear the risk of not being considered. The eligible contractors are also required to submit the self-attested copies of PAN card, registration and VAT certificate.
In support of fulfilling all the essential conditions mentioned in the previous Para the contractor shall submit the details of the past work, mentioning the name of work, estimated cost, tendered amount, gross value of work done, date of commencement as per agreement & actual date of completion as per agreement along with schedule of quantities executed and any penalty levied due to delay in executing the work from an officer not below the rank of Executive Engineer (Electrical).
3. Initial AMC Period will be **1 Year** and Extendable to further period of one year on successful and satisfactorily completion of 1st year.
4. The tender documents can be made available at the office of SO-D (Elect.) on written request along with the tender cost through DD. No cash will be accepted towards tender cost.
5. Tenders should be submitted in the prescribed format (Non-transferable), which may be down loaded from NISER website: [www.NISER .ac.in](http://www.NISER.ac.in), or collected from the office of the SO-D (Elect.) by depositing the tender cost of **₹500/-(Rupees Five hundred only)** through A/c payee DD or pay order from any scheduled bank drawn in favor of the Finance Officer of NISER . In case of downloaded tenders, the cost of tender document shall be submitted along with the technical bid. Please note that tender documents are not transferable.
6. Tender documents are to be submitted in **two parts** in separate sealed covers. **The First part** shall consist of **the technical Bid** including the cost of tender (if downloaded), EMD and the documents in support of eligibility criteria. **The second part** shall contain the **financial bid** showing the detail schedule of work & to be sealed in a separate envelope super scribing the name of work, address of contractor and date of opening. Tenders complete in all respects, will be accepted up to **3.30 PM on 7th April 2017**. The technical bid shall be opened at **4.00 PM on 7th April 2017**. Please note, that bids submitted without tender cost (if downloaded) and EMD are summarily being rejected.

Tenders should be dropped in the Tender Box before the closing date and time indicated above or should be send by regd. /speed post to **Scientific Officer-D (Elect.), Library Building of NISER at Jatni Campus, Bhipur, Dist: Khurda, Pin-752050** to ensure that the same reaches before the date and time indicated above. Late or delayed tenders are liable for rejection.
7. The Earnest Money amounting to **₹40,000.00 (Rupees Forty Thousand only)** as demand draft or pay order from any scheduled Bank and drawn in favor of the Finance Officer of NISER should be deposited along with the tender documents in first part (Technical bid). Tender received without earnest money will be invalid and rejected.

8. Director of NISER does not bind himself to accept the lowest or any tender and reserves the right to accept the tender either in whole or in part. The decision of the Director shall be final in this regard.
9. Canvassing in any manner or form will lead to rejection of the Bid.
10. The tenderer shall not be permitted to bid for works in any unit of DAE where any of his/her relatives are employed. He shall also intimate the names of any such persons who are working with him in any capacity or subsequently employed by him and whose relatives are working in DAE or its units.

NOTE:

A person shall be deemed to be a relative of another if, (a) they are members of a Hindu undivided family; or (b) they are husband and wife; or (c) the one is related to the other in the following manner : Father, Mother (including step mother), Son (including step son), Son's wife, Daughter (including step daughter), Father's father, Son's son, Son's wife, Son's daughter, Son's daughter's husband, Daughter's husband, Daughter's son, Daughter's son's wife, Daughter's daughter, Daughter's husband, Brother (including step brother), Brother's wife, Sister (including step sister), Sister's husband.

11. The Bid shall remain valid for a minimum period of 90 days from the date of opening of the tender for the purpose of acceptance and award of work. Validity beyond 90 days from the date of opening shall be by mutual consent.
12. The Tenderer shall quote the rates both in figures as well as words. The cost of individual items shall also be worked out and mentioned in the financial bid (both in figures and words). On check if there are differences between the rates quoted by the tenderer in words and in figures or in the amount worked out by him, the following procedure shall be followed
 - i) When there is a difference between the rates in figures and in words, the rates, which correspond to the amounts worked out by the bidder for individual items, shall be reckoned.
 - ii) In case, the amount of an individual item is not mentioned by the bidder or it does not correspond with the rate written either in figures or in words, the rate quoted by the bidder in words shall be reckoned.
 - iii) In case the rate quoted by the bidder, both in figures and in words tallies but the amount is not worked out correctly, the total rate quoted by the bidder shall be taken as correct.
13. The tenderer should see and obtain the drawings. In case of any queries, necessary clarifications may please be sought from the office of the Scientific Officer-D (Electrical) in Library building. No claim whatsoever will be entertained in this regard for any alleged ignorance, thereof.
14. Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in regard to accessibility to site, nature and extent of ground,

working condition of site and locality including stacking of materials, conditions affecting accommodations and movement of labour, etc., which are required for satisfactory execution of the work. No ignorance of the same, whatsoever shall be entertained under any circumstances.

15. EMD is liable to be forfeited if the contractor fails to commence the work as per award letter.
16. Except writing rates and amount, the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the printed tender form. Tenderer who are desirous to offer rebate the same should be brought out separately in the covering letter and submit along with the financial bid.
17. **Bank Guarantee:—**
The agency will have to deposit the Performance bank Guarantee @ **5% of the work order value** within 07 days from issues of the work order and the same will be released after successful completion of the AMC & submission of final bill.
18. Stores to be issued: - No material shall be issued by the Institute. The responsibility for arranging all materials from approved manufacturer as per award letter lies with the contractor.
19. There will be deduction of VAT/IT from every quarterly bill and also from the final bill of the contractor at the rate prescribed by govt. of India from time to time.
20. The successful bidder will be required to submit the names, qualifications and experiences of the supervising staff to be deployed for execution of the work. In case of any changes occurring during the course of execution of the said work, the same shall also be intimated by the bidder to the institute.
21. The tenderer should also submit the detail list of tools and plants/ machineries/ equipment, etc. that he proposes to place at the site of work.
22. The Contractor shall have to make his own arrangements for storage of materials required for execution of the work and NISER in any manner shall be held responsible for the storage and safe custody of the said materials at work site.
23. Before commencement of the work, the contractor has to submit the list of tools and plants brought to the site of work. No items other than the list submitted will be allowed to be taken out from the work site.
25. All the mandatory testing charges will be borne by the contractor.
26. Cost escalation in any manner whatsoever, will not be accepted for the said work, where in the stipulated period of completion of work is 1 Year.
27. The work will be executed as per CPWD guidelines/ specification for Electrical works Part-III (Lift & Escalators) and DAE works procedure under the supervision of Engineer-In-charge of NISER.

28. **The tenderer shall show all the original documents which he/she has furnished in the tender within three working days after opening of technical bid, else otherwise financial bid of the tenderer will not be considered.**

**REGISTRAR
NISER**

Scope of Works

1.0 Scope of work :-

Providing Comprehensive Annual Maintenance services of 22 (twenty two) nos. of Johnson make lifts installed at NISER Jatni Campus.

The broad objectives of the maintenance services for electro – mechanical equipments are to ensure the equipment (lifts) installed at NISER Jatni campus, always functional and maintained to achieve optimum life and safety. To ensure safety of the personnel, required measures are to be taken and consistently maintained for efficient operations.

The scope of works for which bids have been invited will broadly be as per spectrum of services detailed in this document (please see Clause-3 of this section).

However, bidders are advised to personally visit the site and assess the actual quantum of work before submission of bids.

2.0 Contract period:-

2.1 The successful bidder will be awarded the work for 1 Year. Contractor shall commence the work as per date specified in the Letter of award which will be the effective date of start of 1 Year contract period. If the Contractor commits default in commencing the work as per issuance of written orders to commence the work, NISER shall, without prejudice to any other right or remedy available in law, be at liberty to deduct the AMC charges proportionally.

2.2 The successful bidder must familiarize himself fully with the installations and corresponding arrangements in the buildings (at no extra cost to NISER) before signing the AMC agreement.

2.3 NISER reserves the right to rescind the contract agreement at any time by giving 15 days- notice if the services of the contractor are not found satisfactory or not up to the standards OR at any stage, if it is found that bidder has secured the contract through fraudulent means, documents, information based on which the bid of the successful bidder has been accepted or non-fulfillment of any other obligation on the part of the contractor as per provision of tender/contract. The decision of NISER in respect of above will be final in this regard (**please see clause 4 of section 3-conditions of contract**).

3.0 Spectrum of services:-

Electro Mechanical Equipments for which Maintenance Services are needed are detailed at Clause 3.1 below. However, this list is only indicative and under each item, any other services which may be relevant and necessary shall be provided by the contractor. Bidder would assess the actual quantum of work by visiting the site and bid accordingly.

3.1 Building Elevator (Lift)

All the electro mechanical services of the office complex are to be maintained as per the requirement of NISER. The requirement will broadly be to keep the equipments in good and efficient working condition at all the time, follow the preventive maintenance and periodical overhaul schedule & procedures as listed in the manuals / literature of the OEM, ensure safety of the equipment and personnel using it. Brief descriptions of the equipments are as under:

- Passenger lifts “16 passengers” of Johnson make -- **06 nos.**
- Passenger lifts “10 passengers” of Johnson make -- **08 no.**
- Passenger lifts “13 passengers” of Johnson make -- 04 nos.
- Passenger lifts “13 passengers” of Johnson make --- 04 nos.

Speed 1 meter per second, automatic doors, stainless steel cabin along with microprocessor control panel etc. with battery backup for emergency landing.

The aforesaid equipments have been installed at NISER, Campus. The Service provider shall perform preventive maintenance (monthly / quarterly) and corrective maintenance to the equipments mentioned above and its accessories as per service manual of the OEM. The service provider shall regular examine elevator equipments and provide gear oil, lubricants, grease, break shoe, push buttons of car and landing etc. required for proper maintenance of the lifts / elevators.

Note: The items mentioned above are just indicative. However, the contractor has to repair / replace items which are absolutely required for operation & maintenance of equipments in working condition under their scope, beyond they may obtained necessary approval from competent authority of NISER before repairing to make good to service the equipments.

4.0 The contractor shall attend to any maintenance problems and rectify the defects within the time limit set against different classification of rectification work as stipulated below:

- a) Minor/Medium rectification works- within 24 hours of notification to the contractor by NISER such as, but not limited to,
 - i. Repair / replacement of switches sockets plugs misc. electrical / mechanical faults, misc. repair/rectification works including cleaning of contacts, contact points, earthing points & filters etc.
 - ii. Replacement of eyelets, socket, lugs & gaskets etc. in panels or motors.
- b) Major rectification works/capital repair- within 72 hours of notification to the contractor by NISER such as but not limited to Transformer and replacement of certain non-stocked spare parts (not locally available in BHUBANESWAR etc.) which require the justification for 72 hours work schedule.
- c) However, for daily supervision and maintenance **one person** from the contractor should be present **24x7 hours** to attend electrical / mechanical faults and he has to report to Site Engineer or Engineer in charge daily.

In case of any doubt in classification of rectification work, contractor can give technical justification and ask for extra time for approval of Engineer in charge who

will have power to grant such extra time/change the classification of rectification work depending upon the correct technical justification and a reasonability of time scheduling for such extension/change of classification of a particular rectification work.

a) In case the contractor fails to rectify the defect(s) after handing over assets installed in NISER in time limit mentioned in clause-4.0 NISER reserves the right to get the defect(s) rectified at risk and cost of the contractor without further notice and will charge 20% extra on the actual expenditure incurred (material, manpower, machinery etc.) from the quarterly bills of the contractor.

b) In case of unserviceability / dysfunction of the equipment for a period longer than as stated at 4.0 above Penalty as detailed below shall also be imposed on the contractor and the amount will be recovered from their respective monthly/quarterly bills.

Period	Penalty	Remarks
4 to 7 consecutive days in a plant.	@ 25% of respective monthly/quarterly bill.	In case the period is repeated in the same month, penalty will be worked out on pro- rata basis.
8 to 15 consecutive days in a plant.	@ 50% of respective monthly/quarterly bill.	
More than 15 days.	@100%of respective monthly/quarterly bill.	

NOTE: In exceptional cases, competent authority of NISER may consider to extend the time limit mentioned above. The decision of competent authority shall be final and binding on the contractor in respect of category of rectification of defects. However, all complaints will be attended promptly and the time limit set for each category is the maximum time limit.

5.0 Before submitting the tender, Tenderers are advised to visit the work site viz. NISER, Jatani Campus for the full understanding of the scope of work (only on working days)

However, the total scope of work will be 100% in all respect of Electrical/Mechanical work of 22 nos. of JOHNSON make Lifts.

Note-1: Any damage to the installations during the currency of contract will be made good by the contractor without extra cost to NISER. Further, contractor would also indemnify NISER for the damages caused due to negligence in imparting the services.

Note-2: Successful bidder shall submit copy of agreements with specialized agencies/associates of repute duly approved by NISER including with OEMs agencies at the time of start of work as mentioned above.

6.0 Responsibility of the contractor at the end of the contract period:

- a. All equipment taken for maintenance during the contract period shall be handed over back to NISER in good working condition.
- b. Any equipment taken outside for repair from NISER Campus shall be handed over in good working condition well before the end date of contract
- c. Passes issued by NISER to the contractor' employees if any shall be handed over to NISER Representative.
- d. In case any equipment not handed over to NISER in good working condition, then NISER would get them repaired/procured on its own from other sources at the risk & cost of the contractor and the cost (along with 20% extra Charge) incurred shall be deducted from any payment due to him/security deposit.
- e. All the employees of the contractor shall be in proper neat & clean uniform (including shoes) and will behave courteously, disciplined and professional manner maintaining absolute integrity during their duty / service hour in NISER Campus. The employees of the contractor shall display their photo ID cards duly issued and signed by the contractor while attending to the complaint in NISER Campus.
- f. NISER Engineer In-Charge or his nominated officer can carry out any surprise inspection, without any notice and deficiencies in service equipment, spares, manpower or any other position of contract pointed out in inspection register maintained by contractor or through other means shall be made good by contractor failing which risk & cost provisions for deficient service shall be invoked.

7.0 FREQUENCY OF MAINTENANCE

The bidder shall carry out the maintenance services at the frequency detailed in maintenance schedule & as per guide line of OEM maintenance manual. Agencies have to attend to break- down service as and when required. The frequency may be increased depending up on requirement at site. As a whole it is to ensure that the equipments are well maintained at all the time. The work will be carried out at suitable timings to ensure that NISER office work is not disturbed.

Note-1: The date of servicing carried out and next due date of servicing in respect of systems shall be neatly painted on assets in small fonts for effective monitoring as per direction of Engineer-in-charge.

Note-2: The contractor is required to submit preventive periodical maintenance schedule for approval by Engineer-in-charge at the time of starting the work after attending the scheduled/routine maintenance, contractor will submit service report (s) of OEMs as and when preventive periodical maintenance of any installation becomes due/ is carried out.

8.0 OTHER REQUIREMENTS TO BE FULFILLED BY THE BIDDER:

8.1 All coordination in respect of legal obligations of NISER for this Contract in terms of any accident/ incident / inspection, Govt. department's viz. Odisha Electricity Board or Other local authority like: Pollution control board, Central Electricity Authority etc. shall be carried out by the contractor. However, contractor will provide / furnish such information to Engineer-in-charge as may be required during investigations.

8.2 Bidder should in his technical bid provide detail of the manpower and equipment, bidder proposes to be used/ deployed by him/ those to render the Services covered in these Tender documents.

8.3 Bidder has to provide a list of spares which are to be replaced / required on a regular basis for necessary action at NISER.

8.4 An undertaking for supply of spares for various assemblies (components) & subassemblies of manufacturer obtaining a clearance from various OEMs shall be submitted.

9.0 List of equipment in Building Elevators / Lifts:-

Sl. No.	Name of Equipment.	Make	Qty.
1.	Motor (KDS) 3 phase, 415 V, 50 HZ, 6.6 KW to 20 KW, 1500 rpm etc.	Johnson	22
2.	Gear Box U-500, 40:1 ratio	Johnson	22
3.	V sheave	Johnson	22
4.	Control system Microprocessor based simplex selective control unit.	Johnson	22
5.	Automatic rescue device (ARD)	Johnson	22
6.	Car opening Panel	Johnson	22
7.	Allied minor equipments like brake shoe, fan, light & sensor etc.	Johnson	22

Note:

- a. The items mentioned above (sl.no.1 to 7) are just indicative. However, the contractor has to repair / replace items which are absolutely required for operation & maintenance of equipments in working condition. Repairing / replacing works shall be informed to the authority and same shall be obtained approval prior to commencement of work.

Maintenance Schedule

Contractor has to carry out monthly, quarterly & seasonally as per guide line of OEM manual & as per schedule. In addition to it they have to attend the break down as and when required.

ITEM	METHOD OF PREVENTIVE MAINTENANCE
MONTHLY SERVICE:	
Alarm bell	The mechanic will manually test the alarm bell To make sure it is operational and that the alarm Bell is putting out the appropriate decibel level
Safety edge	Manually check safety edge for proper Retraction and make any adjustments necessary
Door open button	Test door open button. Make sure operating Correctly and freely
Call button	Test for proper operation. Check and replace if Needed indicator bulbs. Lubricate button and Replace light bulbs as needed
Car door	Check for speed and proper door torque in Accordance with ansi a17.1. Lubricate freight Door guide rollers, clean chains, brackets
Scavenger pump / Motor	Check scavenger pump for proper operation. Check & inspect scavenger pump return line to avoid obstructions for clogging. Install packing And jack head.
Lobby doors & hall doors	Check door guides, rollers and lubricate rollers and tracks
Ride	Check ride for transition leveling and floor stop acceptable tolerances
Pumping unit	Check oil level, tank heater operation, motor Starter and contacts. Check v-belt if applicable For alignment, tension and wear.
Fire service	Use appropriate keys to test operation per ansiA17.1 and those associated rules pertaining to Fire service phase i & ii. Lubricate key switches Internally as needed. Record test and test log And document test on service tickets. Test to be Performed in accordance with all government Code requirements
Car phone	Check for dial tone and appropriate connections
Car & lobby	Pi check and/or replace indicator bulbs as needed
Car top	Clean car top and inspect door operator making Needed adjustments to door operator belt and Chains. Check motor brushes and all other Operational parts, linkages, etc. Check hoist Door operator sprockets, and chains. Check Motor brushes and bearings
Starter contacts	Disassemble starter to visually inspect contacts For wear. Replace if necessary
Car key switches	Check all key switches for proper operation and Lubrication if necessary
Fan	Test fan and fan key switch for proper operation. Lubricate fan bearings as needed
Inspection service	Check inspection service key switch for proper Operation and check car top inspection service To work appropriately
Door open/ close Relay	Check all connections and tighten. Inspect Contacts for wear, adjust air gaps as necessary
Signs	Inspect hallways and car for proper signs in Accordance with ansi a17.1 and building code Requirements
Car guide shoes	Inspect guide shoes for insert wear, adjust guide Shoes for smooth operation and apply lubricant To car guide shoes and raNISER as needed
Sump pump	Inspect sump pump for proper operation
Hall key switches	Test, inspect and check all hall key switches for Proper operation
QUARTERLY SERVICE	

Hall position Indicators	Check and repair indicator bulbs as needed
Relief valve	Check and set relief valves in accordance with Ansi a17.1 to perform test in presence of state of Maryland inspector as required
Rails	Inspect all rail joints and alignment. File burrs And joints as needed, check automatic Lubricators and fill as needed
Traveling cable	Inspect entire length of cable for cracks, Fraying, etc. Check conduit connections, wire Baskets
Safety circuits	Check, inspect and test all safety circuits Including door locks. Releveling circuits, alarm, Limited switches, safety edge and all other Applicable safety circuits of the elevator. If required those shall be replaced immediately.

Hoist way	Inspect and thoroughly clean and paint as Needed
Door motor Brushes	Inspect and replace as needed
INSPECTION	When making an inspection of any item, the item will be visually inspected and also manually Tested to perform its intended function Correctly with applicable OEM guide line and Requirements. Example: key switches – insert Appropriate key in key switch and check intended Operation for proper operation. Visually inspect All connections and wear. Replace if necessary
ADJUSTMENT	To make repair either electrically or Mechanically to provide smoother and correct Operation. Example: door operator – properly Tighten motor drive belt to maintain proper Tension between motor sheave and operator Drive sheave
TEST	Test to manually check for proper operation and Function of that particular feature. Example: Firemen service phase i & ii - to use appropriate key Switch to activate firemen service phase i & ii. Determine whether functioning in accordance With ANSI a17.1 and appropriate rules and record Findings. If testing is not acceptable, corrective Action must be taken
CLEAN	To include the following: clean elevator pits, Car top, car sills, hall sills, hall door tracks, Car door tracks, machine room floor, pumping Units, controller. Cleaning also includes Painting as needed. All electrical relay controls Etc should be kept at a dust-free level
Public Relations	Mechanic is to check with Building maintenance engineer during each visit And request information regarding any problems Or needs pertaining to the elevator

10.00 Materials not to be supplied by NISER.

NISER will not supply or procure for the Contractor any material and the contractor shall make his own arrangements therefore at his own cost.

11.00 Execution of work.

- The contractor shall execute the whole and every part of the work in the most professional and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the agreement, site requirements & instructions of the Engineer-in-Charge. The contractor shall comply with the provisions of the contract and with the care and diligence & execute and maintain the installations and provide all labour and materials, tools and plants in so far as necessary for providing these or as inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of maintenance.
- The contractor is required to obtain approval of Engineer –in-charge in respect of Periodical preventive maintenance schedule for all the assets in the complex under the scope of this contract, within 15 days from the date of letter of award.
- The contractor is required to submit the copy of the Service report of OEMs or their authorized agency (if any) or agency approved by NISER (as the case may be) after attending defect/preventive maintenance as per schedule of OEMs or the schedule approved by NISER for the installations for maintenance of which OEMs has not been defined in the tender documents.
- The Engineer-in-Charge shall have power:-

i) To make alteration in, omissions from, additions to, or substitutions for the original instructions that may appear to him to be necessary or advisable during the progress of the work, and

ii) To omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work or on assessed rates.

- Rates for altered or substituted or additional work or extra item shall be determined as follows;

a) If the rate for altered or substituted item of work is specified in the schedule of quantities; the contractor shall carry out the altered or substituted items at the same rate. In the case of composite tenders, where two or more schedules of quantities may form part of the contract, the applicable rate shall be taken from the schedule of quantities of that particular part in which the deviation is involved, failing that at the lowest applicable rate for the same item of work in the other schedules of quantities.

b) If the rate for any altered or substituted item of work is not specified in the schedule of quantities, the rate for that item shall be derived from the rate for the nearest similar item specified therein. In case of composite tenders where two or more schedule of quantities form part of the contract, the rate shall be derived from the nearest similar item in the schedule of quantities of the particular part of works in which the deviation is involved failing that from the lowest of the nearest similar items in other schedule of quantities.

c) If the rate for any additional or substituted item of work cannot be determined in the manner specified above, the contractor shall, within 15 days of the date of receipt of the order to carry out the said work, inform the Engineer-in-Charge of the rate which he proposes to claim for such item of work, supported by analysis of the rate claimed, and the Engineer-in-Charge shall, within one month thereafter, after giving due consideration to the rate claimed by the contractor, determine the rate on the basis of market rate(s). In the event of the contractor failing to inform the Engineer-in-Charge within the stipulated period of time, the rate which he proposes to claim, and the rate for such item shall be determined by the Engineer-in-Charge on the basis of market rate(s).

12.00 No compensation for alteration or restrictions of work to be carried out

If at any time after the commencement of the work, NISER shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works thereof as specified in the tender to be carried out, the Engineer-in-Charge shall give notice in writing of fact to the contractor who shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the full amount of the

work not having been carried out, neither shall he have any claim for compensation by reason of any alternations having been made in the original specifications, drawings, designs and instructions which shall involve any curtailment of the work as originally contemplated.

13.00 Contractors to Supply Tools & Plants etc.

The contractor shall provide at his own cost all materials, plant, tools, appliances, implements, ladders, scaffolding and temporary works etc. required for the proper execution of the work, whether original, altered or substituted and whether included in the specification or other documents forming part of the contract or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-Charge as to any matter as to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefore to and from the work. The contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works and counting, weighing and assisting the measurement for examination at any time and from time to time of the work or materials. Failing his so doing the same may be provided by the Engineer in charge at the expense of the contractor and the expenses may be deducted, from any money due to the contractor, under this contract or otherwise and / or from his security deposit or the proceeds of sale thereof, or of a sufficient portions thereof.

While bringing the equipments inside NISER office complex by the contractor, necessary for execution of the work, the contractor shall get them verified through the representative nominated by Engineer-in-charge and security at the time of commencement of the work. Engineer-in-charge and security and contractor shall keep such verified list of above equipments in records. The gate pass shall be issued to the contractor in respect of those equipments which have been verified in the above list, to enable him to take back his equipment after completion of work.

14.00 A: Recovery of Compensation paid to Workman

In every case in which by virtue of the provisions sub-section (1) of Section 12 of the Workmen's Compensation Act, 1923, the Employer is obliged to pay compensation to a workman employed by the Contractor, in execution of the works, the Employer will recover from the Contractor the amount of the compensation so paid; and, without prejudice to the rights of the Employer under sub-section (2) of Section 12 of the said Act, the Employer shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by the Employer to the contractor whether under this contract or otherwise. The Employer shall not be bound to contest any claim made against it under sub-section (1) Section 12 of the said Act, except on the written request of the contractor and upon his giving to the Employer full security for all costs for which the Employer might become liable in consequence of contesting such claim.

B: Ensuring Payment and Amenities to Workers if Contractor fails

In every case in which by virtue of the provisions of the Contract Labour (Regulation and Abolition) Act,

1970, and of the Contract Labour (Regulation and Abolition) Central Rules, 1971, the Employer is obliged to pay any amounts of wages to a workman employed by the Contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the rules under Clause 19H, or under the Rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by the Employer's Contractors, the Employer will recover from the Contractor the amount of wages so paid or the amount of expenditure so incurred; and without prejudice to the rights of the Employer under sub-section (2) of Section 20, and sub-section (4) of Section 21, of the Contract Labour (Regulation and Abolition) Act, 1970, the Employer shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by the Employer to the Contractor whether under this contract or otherwise. The Employer shall not be bound to contest any claim made against it under sub-section (1) of Section 20, sub-section (4) of Section 21, of the said Act, except on the written request of the contractor and upon his giving to the Employer full security for all costs for which the Employer might become liable in contesting such claim.

15.00 Labour Laws to be complied by the Contractor

The contractor must comply with provisions of all existing labour laws as indicated below & other laws existing in this regard.

- a. Contract Labour (R&A) Act, 1970
- b. Contract Labour (Regulation and Abolition) Central rules 1971
- c. Child Labour (Prohibition and Regulation) Act, 1986.
- d. Contractor shall comply with the provisions of the Minimum Wages Act, 1948, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, or the modifications thereof or any other laws relating thereto and the rules made thereunder from time to time.
- e. Safety and other welfare measures as per laws of land.

16.0 Settlements of Disputes & Arbitration

In the event of any dispute or difference relating to the interpretation and application of the provisions of the contracts, such disputes or difference shall in the first instance be sought to be resolved amicably by mutual consultation with the Engineer –in- charge or Director, NISER. Failing which they shall be referred by either party to the Civil Modification & Building repair committee (CMBRC) of NISER for settlement. The decisions of the CMBRC of NISER shall be final & binding on both parties.

CLAUSES OF THE CONDITIONS OF CONTRACT AND MATTERS DEEMED AS "EXCEPTED MATTERS"

The following shall be treated as "Excepted Matters" for the purpose of arbitration:

1. Illegal Gratification:- Any bribe, commission, gift or advantage given, promised or offered by or on behalf of the Contractor or his partner, agent or servant or any one on his or on their behalf to any officer, or employee or NISER or to any person on his or their behalf in the relation to the obtaining of the execution of this or any other contract with NISER, shall, in addition to any criminal liability which he

may incur, subject the Contractor to the rescission of the contract under the contract or any other contracts with NISER. The Contractor shall not lend or borrow from or have or enter into any monetary dealings or transactions either directly or indirectly with any employees of NISER and if he shall do so NISER shall be entitled forthwith to rescind the contract and all other contracts with NISER. Any question or dispute as to the commission of any offence or compensation payable to NISER under this clause shall be settled by Director NISER in decision shall be final and conclusive.

2. Meaning and intent of specifications and drawings.
3. Rates for extra items of works
4. Measurement of works
5. Provisions of Payment of Wages Act
6. Payment of advances and recovery
7. Determination of contract
8. Provisions of Contract Labour/Regulation and Abolition Act 1970
9. Non- conformance of work

17.0 INDEMNITY REGARDING DAMAGE TO PERSONS AND PROPERTY:

The Contractor shall, except if and so far as the Contract provides otherwise, indemnify NISER (through Indemnity bond on format approved by NISER, before commencement of work) against all losses and claims whatsoever in respect of injuries or death to any person, whether NISER or Contractor's employee or a third party, or loss / damage to any property whether of NISER, Contractor or third party, which may arise out of or in consequence of the execution and maintenance of the works related to this contract. This indemnity shall be against all claims proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto.

18.0 OTHER INDEMNITY

The contractor shall also indemnify NISER (through Indemnity bond on format approved by NISER, before commencement of work/release of first bill) against any fine/penalty/ prosecution levied by any government authority for any violation of environment laws, safety norms, labour laws (like workmen compensation Act etc. in respect of workers engaged by the contractor), PF laws, health laws etc. which may occur in the process of carrying out of this work or at later stage. It will be the contractor's responsibility to ensure that relevant rules & regulations are fulfilled by him.

19.0 INSURANCE:

The contractor is required to seek Insurance policy against injury or death of his own employees or any third party which may result out of execution of this contract. FM agency is liable to replace /repair NISER property/equipment in the event of fault /damage etc. due to the fault of FM agency. NISER has insured its property. The insurance policy arranged by NISER in this respect may be seen from NISER office for knowing the conditions under which claim can be raised on Insurance Company. Thus, FM agency is required to inform NISER in writing in the event of fault /damage/theft etc. to the property/equipment for the cause other than the fault of FM agency when claim can be raised on the insurance company. FM agency shall pursue on behalf of NISER with the insurance company for realization of the claim to NISER, if so desired by NISER. In case of failure of FM

agency to follow the above directives, FM agency shall be solely responsible for losses suffered by NISER in the event of fault /damage etc. to the NISER property.

20.0 With-holding and lien in respect of sums due from Contractor

- Whenever any claim or claims for payment of a sum of money arises out of or under the contract or against the contractor, the Engineer-in-Charge or the NISER shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the contractor and for the purpose aforesaid, the Engineer-in-Charge or the NISER shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim.
- NISER shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract, etc., to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed to have been done by him under the contract and found not to have been executed, the contractor shall be liable to refund the amount of over-payment and it shall be lawful for NISER to recover the same from him in any manner legally permissible; and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by NISER to the contractor, without any interest thereon whatsoever.

21.0 RATES TO BE INCLUSIVE OF TAXES & LEVIES

- Tendered rates must be inclusive of all taxes, duties and levies (excluding service tax), payable under the respective statutes. Applicable Service tax shall be paid in first running bill and subsequent running bills shall be entertained only after producing proof of payment of service tax to the concerned authority for the previous month already paid to the contractor (In case service tax payment to the concerned authority is delayed by the contractor, the payment of penalty, interest or any other charges shall be borne by the contractor). However, pursuant to the Constitution (Forty six Amendment) Act, 1982, if any new tax or increase/decrease in tax (except service tax) or levy is imposed by the statute, after the date of receipt of tenders, and the contractors thereupon necessarily and properly pay such taxes/levies the contractor shall be reimbursed the amount so paid on production of proof of payment, provided such payment, if any is not in the opinion of NISER (whose decision shall be final and binding) attributable to delay in execution of work within the control of the contractor. NISER will have no liability whatsoever on any account to pay any taxes, levies, duties etc. levied by Central / State Govt. pertaining to execution of the work.
- The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by duly Authorized representative of NISER and further shall furnish such other information/document as the Engineer-in-charge may require.
- The contractor shall, within in a period of 30 days of imposition of any further tax or levy pursuant to the Constitution (Forty six Amendment) Act, 1982 give a written notice thereof to the Engineer-in- charge that the same is given pursuant to this condition, together with all necessary information relating thereto.

22.0 Termination of Contract on death of Contractor

Without prejudice to any of the rights or remedies under this contract if the contractor (in proprietary case) dies, the NISER shall have the option of terminating the contract without compensation to the contractor's successor.

23.0 Force Majeure

- Neither Contractor nor Owner (NISER.) shall be considered in default in performance of their obligations if such performance is prevented or delayed by events such as but not limited to war, hostilities, revolution, riots, civil commotion, strikes, lock-outs, conflagrations, epidemics, accidents, fire, storms, floods, droughts, earthquakes or ordinances or any act of God or for any other cause beyond the reasonable control of the party affected or prevented or delayed. However, a notice is required to be given within 30 (thirty) days from the happening of the event with complete details, to the other party to the contract, if it is not possible to serve the notice, within the shortest possible period without delay.
- As soon as the cause of Force Majeure has been removed the party whose ability to perform its obligations has been affected, shall notify the other of such cessation and the actual delay incurred in such affected activity adducing necessary evidence in support thereof.
- From the date of occurrence of a case of Force Majeure, obligations of the party affected shall be suspended during the continuance of any inability so caused. With the cause itself and the inability resulting therefrom having been removed, the agreed time of completion of the respective obligations under this agreement shall stand extended by a period equal to the period of delay occasioned by such events.
- Should one or both parties be prevented from fulfilling the contractual obligations by a state of Force Majeure lasting to a period of 6 months or more, the two parties shall consult each other to decide regarding the future execution of this agreement.

PART-II**BILL OF QUANTITIES**

Name of work: “Comprehensive Annual Maintenance Contract (AMC) of 22(twenty two) nos. Of JOHNSON make Lifts (Elevators) for an initial period of 1 Year at NISER Jatni Campus.”

Sl No.	Location	Passenger Lift	No. of Landing	Qty	Rate (Rs.)
1	Admin Building	16 Passenger Lift	2	1	Rs. (Rupees.....)
2	Chemical Building	16 Passenger Lift	6	1	Rs. (Rupees.....)
3	Biology Building	16 Passenger Lift	6	1	Rs. (Rupees.....)
4	Physics Building	16 Passenger Lift	6	1	Rs. (Rupees.....)
5	Mathematics building	16 Passenger Lift	4	1	Rs. (Rupees.....)
6	Library Building	16 Passenger Lift	4	1	Rs. (Rupees.....)
7	Admin Building	10 Passenger Lift	2	1	Rs. (Rupees.....)
8	Chemical Building	10 Passenger Lift	6	1	Rs. (Rupees.....)
9	Biology Building	10 Passenger Lift	6	1	Rs. (Rupees.....)

No. of Cutting :

No. of Corrections :

No. of Over writing :

Signature of tenderer

with date & address

10	SOH1 Block	10 Passenger Lift	4		Rs. (Rupees.....)
11	DOH1 Block	10 Passenger Lift	4		Rs. (Rupees.....)
12	DOH2 Block	10 Passenger Lift	4		Rs. (Rupees.....)
13	Mathematics building	10 Passenger Lift	4		Rs. (Rupees.....)
14	Library Building	10 Passenger Lift	4		Rs. (Rupees.....)
15	D1 Block	13 Passenger Lift	7		Rs. (Rupees.....)
16	C1 Block	13 Passenger Lift	7		Rs. (Rupees.....)
17	B2 Block	13 Passenger Lift	7		Rs. (Rupees.....)
18	A1 Block	13 Passenger Lift	7		Rs. (Rupees.....)
19	D1 Block	8 Passenger Lift	7		Rs. (Rupees.....)
20	C1 Block	8 Passenger Lift	7		Rs. (Rupees.....)

No. of Cutting :

No. of Corrections :

No. of Over writing :

Signature of tenderer

with date & address

21	B2 Block	8 Passenger Lift	7		Rs. (Rupees.....)
22	A1 Block	8 Passenger Lift	7		Rs. (Rupees.....)
Total Amount (Rs.)					

(Rupees.....)

No. of Cutting :
 No. of Corrections :
 No. of Over writing :

**Signature of tenderer
 with date & address**

Remarks: 1) The scope of work under each item of BOQ shall be as per detail given under “Spectrum of Services” in Clause 3.0 of Part – 1.

Note:- Bidders are required to quote against each item legibly and arrive at the total cost of work. The summary sheet and abstract of cost should be filled in properly. All pages should be duly signed by the bidder failing which the tender may be rejected.



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
 (परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR
 (AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

TENDER DOCUMENTS

(NIT No. - NISER/IWD-ELECT./AMC/LIFT/ (2016-17)/061, Dt.15.03.2017)

Tender for -“Comprehensive Annual Maintenance Contract (AMC) of 22(twenty two) nos. Of JOHNSON make Lifts (Elevators) for an initial period of 1 Year at NISER Jatni Campus.”

SUMMARY SHEET

1. Brought forward from Page No.....	Schedule of quantities:	Rs.
2. From page No.....	-do-	Rs.
3. From page No.....	-do-	Rs.
4. From page No.....	-do-	Rs

TOTAL

(Rupees _____
 _____)

C.O. to Page – ABSTRACT OF COST Rs. _____

SIGNATURE OF THE TENDERER



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर
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ABSTRACT OF COST

TOTAL COST BROUGHT FORWARD FROM PAGE 26

(Rupees _____

_____) only

SIGNATURE OF THE TENDERER

MEASUREMENT OF WORK AND PAYMENT

1. Payment to the contractor shall be made by NISER against **Quarterly bills** for the work done against this contract, after submission of monthly/quarterly service report. The contractor is required to submit along with first bill, the copy of AMC entered into with OEMs or their authorized agency (if any) or agency approved by NISER as the case may be. The payment shall be made after deducting any amounts due from the contractor by way of mobilization advance, taxes, security deposit, penalties/ recoveries if any etc. The contractor should ensure that all employees are covered for all social benefits viz PF, EPS, EDLI and ESI.
2. The contractor shall submit proof of recovery and remittance of the same along with the monthly/running bill for the next month. An indemnification covering NISER shall be submitted against any claim during the execution of the contract or later stage under Employees Provident Fund and workmen Compensation Act before release of payment of First bill.
3. For any deficiency or defective service, an amount proportionate to the rates quoted by the contractor as given in his Price Bid shall be deducted from the monthly payment made to the contractor. The decision of Engineer-in-charge/competent authority of NISER shall be final in this regard.
4. Due payment after completion of each month after making any recoveries etc. towards taxes, duties & non- performance as described elsewhere in the bid documents shall be made to the contractor. No payment to the contractor shall be released till the contractor submits the bill for the work done by him. The bills shall be paid monthly. NISER will make all endeavors to release the due payment within 10 days of receipt of certified bill from the contractor.
5. Proportionate payment shall be deducted from the contractor's bill if any work is found to be not done/is incomplete or is unsatisfactory, as adjudged by the Engineer-in-charge. In case of any difference of opinion between the engineer in charge and the contractor, regarding the non-performance or unsatisfactory performance of work, the matter will be referred to the Director, NISER, whose decision on the matter shall be final. NISER may also, at their discretion get such defective/deficiency work done at the risk & cost of the contractor and recover the actual amount spent plus 20% of actual spent amount including all actual NISER establishment charges, from the contractor's bills. Repeated lapses in doing the work satisfactorily shall result in rescinding the contract.
6. The Employer / Director, NISER, may without prejudice to his any other rights or remedy against the contractor in respect of any delay, inferior workmanship, any claims for damages and/or any other provisions of this contract or otherwise, and whether the date for completion has or has not elapsed, by notice in writing absolutely rescind the contract.

Payment of final Bill

7. The final bill shall be submitted by the contractor in the same manner as **quarterly bills** and NISER shall pay it within 60 days, after the final certificate of completion furnished by the Engineer-in-Charge. Further claims shall neither be made by the contractor nor admissible for payment after submission of the final bill and these shall be deemed to have been waived and extinguished.

OTHERS

If, the contractor has to remove/dismantle any old, damaged wiring & fixtures etc. for the purpose of execution of the said work, the same shall be deposited with NISER Stock Yard along with the list of materials under intimate to the concerned Engineer in- Charge. No extra payment will be made by the institute for this purpose.

SIGNATURE OF THE TENDERER